

REVISED VERSION

(19) World Intellectual Property Organization International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/066473 A1

(51) International Patent Classification⁷: **H02J 7/00 //**
G06F 3/033

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(21) International Application Number:
PCT/SE2004/000061

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(22) International Filing Date: 19 January 2004 (19.01.2004)

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(25) Filing Language: English

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH,

(26) Publication Language: English

[Continued on next page]

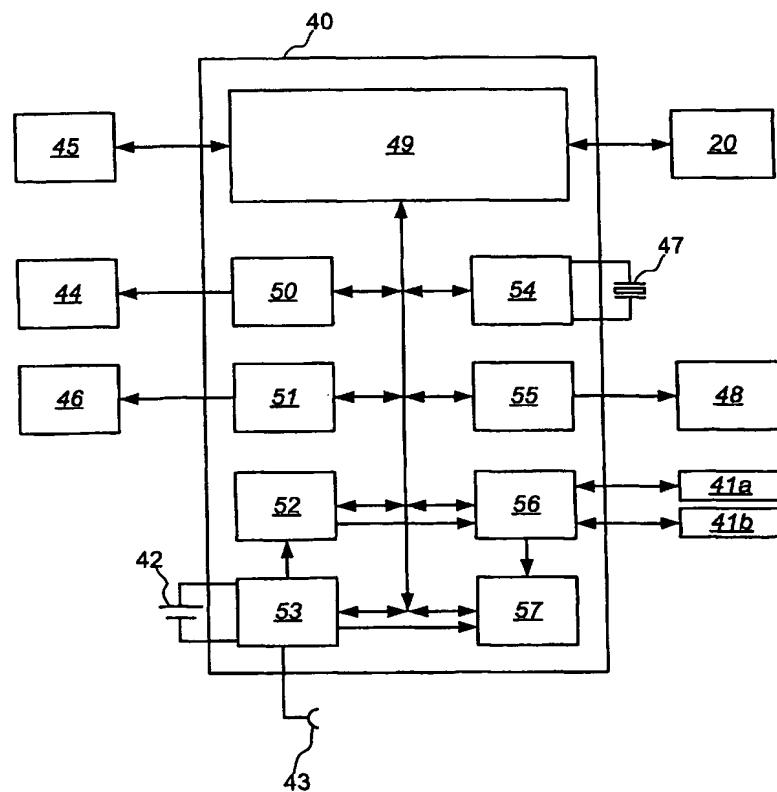
(30) Priority Data:
0300110-4 17 January 2003 (17.01.2003) SE
60/440,607 17 January 2003 (17.01.2003) US

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(54) Title: POWER MANAGEMENT UNIT FOR PORTABLE ELECTRONIC EQUIPMENT



(57) Abstract: A power management unit (40) for a portable electronic apparatus is disclosed. The apparatus is powered by at least a battery (42), and the power management unit is implemented as an integrated circuit. The power management unit (40) may comprise a general purpose analog-to-digital converter block (57) comprising a first switch for selecting one of at least two analog input signals, and an analog-to-digital converter which is arranged to convert said selected analog input signal into a digital signal; an analog event generator block (52), which is arranged to provide an indication for controlling an operating state of said power management unit when an analog input signal assumes a predetermined relation to a predetermined reference value; a timer block (54), which is operable for providing a timing signal independently of which one of a plurality of operating states the power management unit is operable in; and/or a battery charge control block (53), which is capable of controlling a battery charge current based on an estimated charge power. Also disclosed is an electronic pen comprising the power management unit.



GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG)

- as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii)) for all designations
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Declarations under Rule 4.17:

- as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii)) for the following designations AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW, ARIPO patent (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT,

Published:

- with international search report

(88) Date of publication of the revised international search report: 24 February 2005

(15) Information about Correction:

see PCT Gazette No. 08/2005 of 24 February 2005, Section II

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

A. CLASSIFICATION OF SUBJECT MATTER

IPC7: H02J 7/00 // G06F 3/033

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7: H02J, G06F.

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

SE,DK,FI,NO classes as above

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

EPO-INTERNAL, WPI DATA

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	US 6348744 A (CHRIS LEVESQUE), 19 February 2002 (19.02.2002), column 2, line 48 - column 4, line 18 --	1-29
Y	US 6259232 A (JAMES M. DOUGLASS ET AL), 10 July 2001 (10.07.2001), column 1, line 16 - line 59; column 2, line 45 - column 3, line 44 --	1-29
A	US 2001024193 A (CHRISTER FAHRAEUS), 27 Sept 2001 (27.09.2001), see whole document --	27

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Date of the actual completion of the international search

Date of mailing of the international search report

12-07-2004

12-07-2004

Name and mailing address of the ISA/
Swedish Patent Office
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INTERNATIONAL SEARCH REPORT

International application No.

PCT/SE 2004/000061

C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5151644 A (RONALD W. PEARSON ET AL), 29 Sept 1992 (29.09.1992), column 4, line 8 - line 20; column 6, line 54 - column 7, line 11 -----	1-29

INTERNATIONAL SEARCH REPORT
Information on patent family members

27/02/2004

International application No.
PCT/SE 2004/000061

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